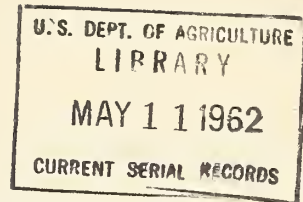


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UNITED STATES
DEPARTMENT OF THE INTERIOR
Fish and Wildlife Service
Bureau of Sport Fisheries and Wildlife
Washington 25, D. C.



Wildlife Leaflet 409
Revised, June 1960

BIRD CONTROL DEVICES

SOURCES OF SUPPLY

Since man began the tilling of crops, he has defended his fields against depredating birds and mammals, and to a great extent has been forced to depend upon his own ingenuity for the development of procedures or devices that will effectively do the job. Many devices and techniques have been developed and used successfully. Their value depends largely upon selection of the proper devices and the manner in which they are used.

Regulations

Blackbirds, cowbirds, and grackles are afforded protection by the Federal Migratory Bird Treaty Act. However, Section 6.62, Title 50, C.F.R., provides that "any person without a permit, may kill yellow-headed, redwinged, bi-colored redwinged, Brewer's blackbirds, cowbirds, and all grackles . . . when such birds are found committing or about to commit serious depredations upon any agricultural crop or ornamental or shade trees." Section 6.62 of the Federal regulations does not permit the killing of any of the above-named birds in violation of any State law or regulation. If a State permit to kill the birds is required, such permit must be acquired before exercising the privileges conferred by Section 6.62.

The following devices and materials are sold for preventing bird damage to crops and/or discouraging unwanted roosts. This list is for the information of correspondents and is not necessarily complete. Listing implies no endorsement of either a product or the technique it represents. Names of reputable manufacturers will be added upon notification to the Bureau of Sport Fisheries and Wildlife that they are prepared to deliver the items concerned.

Automatic Acetylene Exploders

Machines that ignite acetylene gas to produce loud explosions at regular intervals by dripping water on calcium carbide (marked with "C") or from a tank of compressed acetylene gas (marked with "A"). Not injurious to birds, but the loud reports may be objectionable in residential areas.

Scare-Away	A or C	Reed-Joseph Co., Highway No. 1 North, Greenville, Mississippi
Salasco	C	Salt Lake Stamp Co., 380 West 2nd St. South, Salt Lake City, Utah
Zon	A or C	B. M. Lawrence Co., 244 California St., San Francisco 11, California
Zon	A or C	W. V. Clow Seed Co., 1401 Abbott St., Salinas, California

Exploding Shotgun Shells

This is a 12-gauge shotgun shell containing, instead of pellets, a kingsized firecracker, which is projected a distance of 100 yards or more before exploding.

B. M. Lawrence Co., 244 California St., San Francisco 11, Calif.
K. K. Hori Co., Inc., (formerly United Commercial Co.),
5833 Perry Drive, Culver City, Calif., or 100 West Chicago Ave.,
Chicago 10, Ill.
W. V. Clow Seed Co., 1401 Abbott St., Salinas, Calif.

Pyrotechnics: Fireworks ^{1/}

Firecrackers, inserted at intervals in slow-burning fuse ropes, have been useful in keeping birds away from agricultural crops. Dealers marked * make and distribute completed ropes of firecrackers designed to explode at approximately 30-minute intervals. The dealer marked # specializes in cotton rope known as Caw-Caw fuse rope.

*Alpha Enterprises, Inc., P. O. Box 12242, Houston 17, Texas
#The J. E. Fricke Co., 40 N. Front St., Philadelphia 6, Penna.
*Red Devil Fireworks Co., Division of Clipper Fireworks Co.,
5415 E. Century Blvd., Lynwood, Calif.
*W. V. Clow Seed Co., 1401 Abbott St., Salinas, Calif.

^{1/} Many States and most cities have laws or ordinances prohibiting the use of fireworks. Investigate local city ordinances and State laws regulating the possession or use of fireworks or explosives, also local fire laws.

Firecrackers, salutes, skyrockets, Roman candles, and other devices have been used to drive birds from crops and to discourage roosting. These are standard items and may be purchased from regular firecracker manufacturers.

Revolving Lights or Beacons

The devices have sometimes been used with good results to discourage night-feeding ducks in grain fields. A light with a bulb of from 500 to 2,000 watts can be used, depending on the size of the field and the intensity of light locally needed. These devices are rated to protect up to 640 acres. Attached to a turntable, one makes one revolution per minute in a counter-clockwise direction, while the other provides 200 flashes per minute. The lights can be attached to an existing power source, if available, or can be used with a portable power plant.

Franklin's Electric Service, 118 E. Main St., Calipatria, Calif.
The Trippe Manufacturing Co., 133 N. Jefferson St., Chicago 6, Ill.

Electric Devices

Wires are permanently installed on ledges to disrupt bird roosting by means of electrical impulses. The birds are not killed.

Electrepel, Inc., 50 Broad St., New York 4, New York

Metal Projectors or Wires

These are sharp wire devices that are installed along building ledges, window sills, etc., to discourage birds from roosting.

Bird Scat Co., Box 447, Logansport, Indiana
Nixalite Company of America, 1722 First Ave., Rock Island, Ill.
Stanley's Pigeon & Bird Repellent Service, 523 W. 184th St.,
New York 33, N. Y., (Stan-Gard Pigeon & Bird Repellent Co., Inc.)

Chemical Coatings to Prevent Roosting

These are "sticky" materials (available in various forms) to keep birds from roosting on ledges, sills, trees, and other places.

A - Aerosol; C - Cartridge for caulking gun;
G - Paste; S - Spray (for trees, etc.); T - Tube

Aegis Laboratories, 6817 S. Stony Island Ave., Chicago 49, Ill. (S,G,S,T)
The Bird-Free Co., Box W, Brookline 46, Mass. (G)
Bird-Rid Laboratories, 4817-4819 Cottage Grove Ave.,
Chicago 15, Ill. (G)

Burr Chemical Co., 3329 Auburn Street, Rockford, Ill. (C)
International Pest Controls, Inc., 635 Seventh Ave.,
Marion, Iowa (G,T,S)
National Bird Control Laboratories, 5315 Touhy Ave.,
Skokie, Ill. (A,C,S)
Tanglefoot Co., 314 Straight Ave., N. W., Grand Rapids, Mich. (G)
Sentinel Laboratory, 213 E. Jefferson St., Springfield, Ill. (C)
Neil A. MacLean Co., 1536 Industrial Way, Belmont, Calif. and
9846 E. Alpaca St., El Monte, Calif.

Whirling and Moving Novelties

Whirling, bright-colored or shiny objects act as scare devices;
move or change them frequently.

B. M. Lawrence & Co., 244 California St., San Francisco 11, Calif.
Comfort Specialty Co., 200 South Seventh St., St. Louis 2, Mo.

Protective Netting

At least two types of light, non-metallic netting are manufactured
for use in protecting plants, small shrubs, bushes, or berry patches
from bird attack. Both are manufactured in a variety of mesh sizes
(40" to 70" widths).

Lumite Division, Chicopee Manufacturing Corp., Cornelia, Georgia
Visinet Mill Division of Bemis Bros. Bag Co., 2400 S. Second St.,
St. Louis 4, Mo.

Live Traps

The following companies or individuals manufacture live traps
designed for the capture of small birds.

Allcock Manufacturing Co., Ossining, N. Y. (Havahart - sparrows)
Animal Trap Company of America, Lititz, Penna. (Verbail - hawks
and owls)
Dodson Bird House Co., Box 551, Kankakee, Ill. (sparrows)
Charles Siegel & Son, 4939 N. Elston Ave., Chicago 30, Ill.
(pigeon bobs and pigeon trap entrances)
Russel S. Davis, Clayton, Ill. (small birds and pigeons)
Ridgewood Box Mill, Detroit Lakes, Minn. (Elevator type -
sparrows and starlings)